

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>  <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>	<b>Attorney Docket No.</b> <span style="float: right;"><b>6999</b></span>	
	<b>First Inventor</b> <span style="float: right;"><b>Michael J. Borden</b></span>	
	<b>Title</b>	<b>Method of Modifying a Volume Mesh Using Sheet Extraction</b>
	<b>Express Mail Label No.</b> <span style="float: right;"><b>EV332387125US</b></span>	

<b>APPLICATION ELEMENTS</b> <i>See MPEP chapter 600 concerning utility patent application contents.</i>	<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
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| <p>1. <input checked="" type="checkbox"/> <b>Fee Transmittal Form (e.g., PTO/SB/17)</b><br/><i>(Submit an original and a duplicate for fee processing.)</i></p> <p>2. <input type="checkbox"/> <b>Applicant claims small entity status.</b><br/>See 37 CFR 1.27.</p> <p><input checked="" type="checkbox"/> <b>Specification</b> [Total Pages <span style="border: 1px solid black; padding: 0 5px;"><b>29</b></span> ]<br/><i>(preferred arrangement set forth below)</i></p> <ul style="list-style-type: none"><li>- Descriptive title of the invention</li><li>- Cross Reference to Related Applications</li><li>- Statement Regarding Fed sponsored R &amp; D</li><li>- Reference to sequence listing, a table, or a computer program listing appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the invention</li><li>- Brief Description of the Drawings <i>(if filed)</i></li><li>- Detailed Description</li><li>- Claim(s)</li><li>- Abstract of the Disclosure</li></ul> <p>4. <input checked="" type="checkbox"/> <b>Drawing(s) (35 U.S.C. 113)</b> [ Total Sheets <span style="border: 1px solid black; padding: 0 5px;"><b>15</b></span> ]</p> <p>5. <b>Oath or Declaration</b> [ Total Pages <span style="border: 1px solid black; padding: 0 5px;"><b>2</b></span> ]</p> <p>a. <input checked="" type="checkbox"/> <b>Newly executed (original or copy)</b></p> <p>b. <input type="checkbox"/> <b>Copy from a prior application (37 CFR 1.63 (d))</b><br/><i>(for continuation/divisional with Box 18 completed)</i></p> <p style="padding-left: 20px;">i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input type="checkbox"/> <b>Application Data Sheet. See 37 CFR 1.76</b></p> | <p>7. <input type="checkbox"/> <b>CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</b></p> <p>8. <b>Nucleotide and/or Amino Acid Sequence Submission</b><br/><i>(if applicable, all necessary)</i></p> <p>a. <input type="checkbox"/> <b>Computer Readable Form (CRF)</b></p> <p>b. <b>Specification Sequence Listing on:</b></p> <p style="padding-left: 40px;">i. <input type="checkbox"/> <b>CD-ROM or CD-R (2 copies); or</b></p> <p style="padding-left: 40px;">i. <input type="checkbox"/> <b>paper</b></p> <p>c. <input type="checkbox"/> <b>Statements verifying identity of above copies</b></p> |
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**ACCOMPANYING APPLICATION PARTS**

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|---|---|
| <p>9. <input type="checkbox"/> <b>Assignment Papers (cover sheet &amp; document(s))</b></p> <p>10. <input type="checkbox"/> <b>37 CFR 3.753(b) Statement</b><br/><i>(when there is an assignee)</i></p> <p>11. <input type="checkbox"/> <b>English Translation Document</b> <i>(if applicable)</i></p> <p>12. <input type="checkbox"/> <b>Information Disclosure Statement (IDS)/PTO-1449</b></p> <p>13. <input type="checkbox"/> <b>Preliminary Amendment</b></p> <p>14. <input checked="" type="checkbox"/> <b>Return Receipt Postcard (MPEP 503)</b><br/><i>(Should be specifically itemized)</i></p> <p>15. <input type="checkbox"/> <b>Certified Copy of Priority Document(s)</b><br/><i>(if foreign priority is claimed)</i></p> <p>16. <input checked="" type="checkbox"/> <b>Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</b></p> <p>17. <input type="checkbox"/> <b>Other:</b></p> | <p><input type="checkbox"/> <b>Power of Attorney</b></p> <p><input type="checkbox"/> <b>Copies of IDS Citations</b></p> |
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18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76:

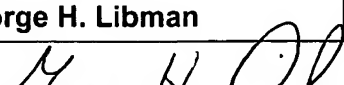
☐ Continuation    ☐ Divisional    ☐ Continuation-in-part (CIP) of prior application No. \_\_\_\_\_

Prior application information:                      Examiner: \_\_\_\_\_                      Group Art \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

Customer Number <b>020567</b>	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 80%;">PATENT &amp; TRADEMARK OFFICE  <b>0205 7</b></div>
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<b>Name (Print/Type)</b>	<b>George H. Libman</b>	<b>Registration No. (Attorney/Agent)</b>	<b>27,984</b>
<b>Signature</b>		<b>Date</b>	<b>6-23-03</b>

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL FOR FY 2003

Patent fees are subject to annual revision.  
Small Entity payments must be supported by a small entity statement,  
Otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

TOTAL AMOUNT OF PAYMENT (\$)**1248.00**

## Complete if Known

Application Number  
Filing Date **6-23-03**  
First Named Inventor **Michael J. Borden**  
Examiner Name  
Group / Art Unit  
Attorney Docket No. **SD-6999**

## METHOD OF PAYMENT (check one)

The Commissioner is hereby authorized to charge  
1. ☒ Indicated fees and credit any over payments to:

Deposit Account Number **19-0131**

Deposit Account Name **Sandia National Labs**

☐ Charge Any Additional  
Fee Required Under  
37 CFR 1.16 and 1.17

2. Payment Enclosed:

☐ Check ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	<b>750</b>
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) **\$ 750**

### 2. EXTRA CLAIM FEES

Extra Claims	Fee from below	Fee Paid
Total Claims <b>29</b>	-20**= <b>9</b> X <b>18</b> = <b>162</b>	
Independent Claims <b>7</b>	- 3**= <b>4</b> X <b>84</b> = <b>336</b>	
Multiple Dependent		

\*\*or number previously paid, if greater; For Reissues, see below.

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	40	Multiple dependent claim, if not paid
1204	84	2204	42	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) **(\$)498**

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee cover sheet	
1053	130			Non-English specification	
1804	920*			Requesting publication of SIR prior to Examiner action	
1805	1,840			Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510			Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	645	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130			Petitions to the Commissioner	
1806	180			Submission of Information Disclosure Stmt	
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (see 37 CFR 1.129(b))	
				Other fee (specify)	
				Other fee (specify)	

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) **(\$)**

## SUBMITTED BY

Typed or Printed Name **George H. Libman**

Signature

*George H. Libman*

Date

**6-23-03**

## Complete (if applicable)

Reg. Number **27,984**

Deposit Account User ID

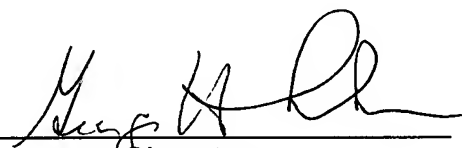
<b>NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)</b>	First Named Inventor		Michael J. Borden
	Title	Method of Modifying a Volume Mesh Using Sheet Extraction	
	Atty Docket Number		SD-6999

I hereby certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

6-23-03

Date

  
Signature

George H. Libman  
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Application may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**